

## **REMARKS/ARGUMENTS**

### **I. Status of the Application**

Upon entry of this amendment, claims 2-8 and 10-15 are pending in the present Application. In an Office Action mailed on November 30, 2004, the Examiner rejected claims 2-15 under 35 U.S.C. 112, second paragraph, as being indefinite, and rejected claim 1 under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 6,324,387 ("Kamgar").

The Examiner also indicated that claims 2-3 would be allowable if rewritten to overcome the objections under 35 U.S.C. 112, second paragraph, and rewritten to include all of the limitations of the base claim and any intervening claims, and that claims 4-12 would be allowable if rewritten to overcome the objections under 35 U.S.C. 112, second paragraph.

### **II. The Presently Claimed Invention**

The presently claimed invention claims a system to reduce cross modulation, reciprocal mixing, and intermodulation distortion in a radio.

### **III. The Cited References**

The Kamgar reference discloses an AGC system that adjusts the gain of an LNA in discrete gain steps.

### **IV. Rejection of Claims 2-15 under 35 U.S.C. 112, second paragraph**

The Examiner rejected claims 2-15 under 35 U.S.C. 112, second paragraph, as being indefinite. Applicant herein cancels claim 9 and amends claims 2-4, 6-7, 10-11, and 14-15. Applicant respectfully submits that for the following reasons claims 2-8 and 10-15 overcome the Examiner's rejections under 35 U.S.C. 112, second paragraph.

Applicant respectfully submits that the terms "*a downconverting mixer*," "*a mixer*," and "*a second mixer*" are definite and distinct. Thus, the Applicant disagrees with the Examiner's rejection under 35 U.S.C. 112, second paragraph based on the usage of these terms. However, for the purpose of clarity, and to conform to the Examiner's suggestions, Applicant herein amends the claims as suggested by the Examiner to improve readability.

Therefore, Applicant respectfully submits that claims 2-8 and 10-15 overcome the Examiner's rejections under 35 U.S.C. 112, second paragraph, and therefore respectfully requests that the rejections under 35 U.S.C. 112, second paragraph be withdrawn.

**V. Rejection of Claim 1 under 35 U.S.C. 102(b)**

The Examiner rejected claim 1 under 35 U.S.C. 102(b) as being anticipated by Kamgar. Applicant herein cancels claim 1.

**VI. Objection to Claims 2-3**

The Examiner also objected to claims 2-3 but indicated that these claims would be allowable if rewritten to include all of the limitations of their base claims and any intervening claims. Applicant herein amends claim 2 so that claim 2 is now written as an independent claim.

Therefore, Applicant respectfully submits that claim 2 overcomes the Examiner's objection and is now allowable. Claim 3 depends from claim 2 and is therefore allowable for at least the same reasons as claim 2.

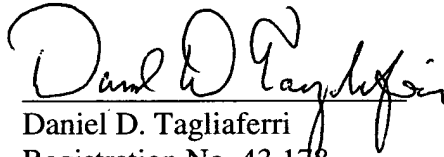
Therefore, Applicant respectfully requests that the Examiner's objections to claims 2-3 be withdrawn.

**CONCLUSION**

Upon entry of this amendment, claims 2-8 and 10-15 are pending in the present Application. Applicant respectfully submits that no new matter has been entered by way of this response to the Office Action.

Applicant believes that all pending claims are now in condition for allowance. Reconsideration of the rejections and objections is respectfully requested. If the Examiner believes that a telephone conference would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at (510) 521-6980.

Respectfully submitted,

  
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